

COMPLETE LISTING OF ALL CLAIMS IN THE APPLICATION

1. (original) A nucleotide sequence encoding a plant s-adenosylmethionine:Mg-protoporphyrin IX O-methyltransferase or parts, derivatives homologs or isoforms thereof.
2. (original) A nucleotide sequence as claimed in claim 1, which comprises the coding sequence as shown in SEQ ID NO 1.
3. (original) A nucleotide sequence as claimed in claim 1, which comprises the coding sequence as shown in SEQ ID NO 2 and/or SEQ ID NO 3.
4. (original) A nucleotide sequence as claimed in claim 1, which comprises the coding sequence as shown in SEQ ID NO 4.
5. (original) A nucleotide sequence as claimed in claim 1, wherein the plant protein encoded by it comprises an amino acid sequence as shown in SEQ ID NO 5.
6. (original) A nucleotide sequence as claimed in claim 1, wherein the plant protein encoded by it comprises an amino acid sequence as shown in SEQ ID NO 6 an/or SEQ ID NO 7.
7. (previously presented) A nucleotide sequence as claimed in claim 1, which encodes a *Physcomitrella patens* amino acid sequence.
8. (previously presented) A nucleotide sequence as claimed in claim 1, which encodes a tobacco amino acid sequence.
9. (previously presented) A nucleotide sequence as claimed in claim 1, which encodes a modified S-adenosylmethionine:Mg-protoporphyrin IX O-methyltransferase or

parts, derivatives, homologs or isoforms thereof tolerating herbicidally active compounds.

10. (previously presented) A gene structure comprising a nucleotide sequence as claimed in claim 1 or parts thereof, and regulatory nucleotide sequences operably linked thereto.
11. (original) A gene structure as claimed in claim 10 comprising regulatory nucleotide sequences from the group of the promoters, enhancers, operators, terminators, polyadenylation signals, targeting sequences, retention signals or translation enhancers.
12. (previously presented) A gene structure as claimed in claim 10 comprising, as regulatory nucleotide sequence, a constitutive promoter.
13. (previously presented) A gene structure as claimed in claim 10 comprising, as regulatory nucleotide sequence a leaf- and/or seed-specific and/or an inducible, preferably light-inducible, promoter.
14. (previously presented) A vector comprising at least one nucleotide sequence as claimed in claim 1 or a gene structure comprising a nucleotide sequence as claimed in claim 1 or parts thereof, and regulatory nucleotide sequences operably linked thereto.
15. (original) A vector as claimed in claim 14 comprising additional nucleotide sequences for the selection and/or replication in a host cell and/or for integration into the host cell.

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16-29. (non-elected)

30-31. (canceled)